



12-19-01

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EXPRESS MAIL CERTIFICATE

Date 10/22/01 Label No. el 767727015-US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

D. Davis D. Davis
Name (Print) Signature

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Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No.: 2681/OJ595

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yaniv SHAPIRA et al.

Serial No.: 09/902,770

Group Art Unit: 2661

Confirmation No.: 1351

Filed: July 10, 2001

Examiner: N/A

For: **VIRTUAL PRIVATE NETWORK MECHANISM INCORPORATING
SECURITY ASSOCIATION PROCESSOR**

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October 22, 2001

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of
Patents and Trademarks
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the

above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- ☐ A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- ☒ B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- ☐ C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.
(check one of the boxes "i" and "ii" below:)
 - ☐ i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
 - ☐ ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- ☐ D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
 - ☐ i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A and/or B and fill in blanks, if appropriate.)

- ☐ A. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- ☐ B. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

[SERIAL NO. & FILING DATE].

Applicant Identifies these documents by attaching hereto copies of the forms PTO-892 and PTO- 1449 from the files of the prior application(s) or a fresh PTO- 1449 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

☐ 3. Document(s) _____ are not in the English language. In accordance with 1.98(c), Applicant states:

- ☐ An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- ☐ A concise explanation of the relevance of document(s) _____ is found in the attached search report (see MPEP § 609 A(3)x).
- ☐ A concise explanation of the relevance of document(s)

Docket No.: 2681/OJ595

_____ is set forth as follows: [Insert concise explanation of relevance]

- ☐ A concise explanation of the relevance of document(s) _____ can be found on page(s) _____ of the specification.
- ☐ A concise explanation of document(s) _____ can be found on the attached sheet.

☐ 4. No explanation of relevance is necessary for documents in the English language (see MPEP § 609 A(3)).

☐ 5. Other information being provided for the examiner's consideration follows:

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of' the item and Applicant reserves the right to prove that the date of publication is in fact different.

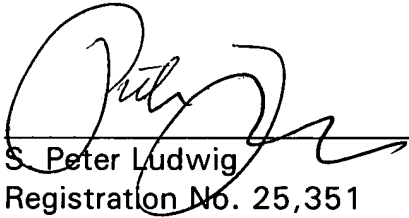
CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS

Pursuant to 37 C.F.R. § 1.79, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

- (1) U.S. Patent Application Serial No _____, filed _____.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'S. Peter Ludwig', written over a horizontal line.

S. Peter Ludwig
Registration No. 25,351
Attorney for Applicant(s)

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

SHEET 1 OF 2
(REV. 7-80)

#2

LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 2681/OJ595 SERIAL NO: 09/902,770
APPLICANT: Yaniv SHAPIRA et al. FILING DATE: July 10, 2001
CONFIRMATION NO: 1351

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U.S. PATENT DOCUMENTS

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<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING DATE</u>
	1. 6,226,751	May 2001	Arrow et al.	713	201	
	2. 6,182,226	Jan. 2001	Reid et al.	713	201	
	3. 6,157,955	Dec. 2000	Narad et al.	709	228	
	4. 6,078,957	Jun. 2000	Adelman et al.	709	224	
	5. 6,021,459	Feb. 2000	Norman et al.	711	5	
	6. 5,809,025	Sep. 1998	Timbs	370	400	
	7. 6,212,123	Apr. 2001	Norman et al.	365	230.3	
	8. 6,175,917	Jan. 2001	Arrow et al.	713	1	
	9. 6,154,839	Nov. 2000	Arrow et al.	713	154	
	10. 6,073,204	Jun. 2000	Lakhani et al.	711	100	
	11. 6,006,259	Dec. 1999	Adelman et al.	709	223	
	12. 5,672,929	Sep. 1997	Gutsell et al.	310	319	
	13. 6,194,674	Feb. 2001	Elbourne et al.	708	402	
	14. 6,175,891	Jan. 2001	Norman et al.	711	5	
	15. 6,118,724	Sep. 2000	Higginbottom	365	230.05	
	16. 6,061,749	May 2000	Webb et al.	710	65	
	17. 5,983,350	Nov. 1999	Minear et al.	713	201	
	18. 5,501,535	Mar. 1996	Hastings et al.	400	88	
	19. 6,185,409	Feb. 2001	Threadgill et al.	455	12.1	
	20. 6,173,399	Jan. 2001	Gilbrech	713	153	
	21. 6,078,985	Jun. 2000	Lakhani et al.	711	5	
	22. 6,055,236	Apr. 2000	Nessett et al.	370	389	
	23. 5,974,499	Oct. 1999	Norman et al.	711	103	
	24. 5,384,524	Jan. 1995	Romano	318	569	

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Technology Center 2600**FOREIGN PATENT DOCUMENTS**

<u>*EXAMINER</u> <u>INITIALS</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>TRANSLATION</u> <u>YES</u> <u>NO</u>
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FORM PTO-1449

DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

SHEET 2 OF 2
(REV. 7-80)**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 2681/OJ595 SERIAL NO: 09/902,770
APPLICANT: Yaniv SHAPIRA et al. FILING DATE: July 10, 2001
CONFIRMATION NO: 1351

*EXAMINER
INITIALS

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OTHER REFERENCES
(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

*EXAMINER
INITIALS

25. William Stalling, Cryptography and Network Security: Principles and Practice, Chapter 13, Second Edition, New Jersey 1999.

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EXAMINER: _____

DATE CONSIDERED: Technology Center 2100

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.